

In the Claims

This listing of claims will replace all prior versions, and listings, of claims.

Listing of Claims

1. (Currently Amended) A system for capacity management comprising a computer readable medium storing program code for execution by a computer, the program code, comprising:

an order management module to receive at least a first order having a period delivery demand, wherein the period delivery demand designates a specific period, and directing directs a supplier to deliver products corresponding to the first order at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of the specific period; and

a pull-in engine to receive a second order with a pull-in demand, push out the first order, and direct capacity reserved for the first order to meet the second order.

2. (Original) The system of claim 1 further comprising an allocation module to allocate additional capacity for the first order.

3. (Original) The system of claim 2 further comprising a planning module to generate a new manufacturing planning schedule and delivery dates for the first order and second order.

4. (Original) The system of claim 1 wherein the first order further has a billing condition directing the supplier to generate a bill for the first order as late as possible.

5. (Currently Amended) A method for capacity management, comprising the steps of:

receiving at least a first order having a period delivery demand, in which the period delivery demand designates a specific period, and directs a supplier to deliver products corresponding to the first order at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of the specific period;

receiving a second order with a pull-in demand; and

pushing out the first order, and directing capacity reserved for the first order to meet the second order.

6. (Original) The method of claim 5 further comprising allocating additional capacity for the first order.

7. (Original) The method of claim 6 further comprising generating a new manufacturing planning schedule and delivery dates for the first order and second order.

8. (Original) The method of claim 5 wherein the first order further has a billing condition directing the supplier to generate a bill for the first order as late as possible.

9. (Currently Amended) A system for capacity management comprising a computer readable medium storing program code for execution by a computer, the program code, comprising:

an order management module to receive at least a first order having a period delivery demand, in which the period delivery demand designates a specific period, and directs a supplier to deliver products corresponding to the first order at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of the specific period; and a pull-in engine to push out the first order, and direct capacity reserved for the first order to meet other orders if a production event occurs during product manufacturing in the supplier.

10. (Original) The system of claim 9 further comprising an allocation module to allocate additional capacity for the first order.

11. (Original) The system of claim 10 further comprising a planning module to generate a new manufacturing planning schedule and a delivery date for the first order.

12. (Original) The system of claim 9 wherein the first order further has a billing condition directing the supplier to generate a bill for the first order as late as possible.

13. (Currently Amended) A method for capacity management, comprising the steps of:

receiving at least a first order having a period delivery demand, in which the period delivery demand designates a specific period, and directs a supplier to deliver products corresponding to the first order at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of the specific period; and
pushing out the first order, and directing capacity reserved for the first order to meet another order if a production event occurs during product manufacturing in the supplier.

14. (Original) The method of claim 13 further comprising allocating another capacity for the first order.

15. (Original) The method of claim 14 further comprising generating a new manufacturing planning schedule and a delivery date for the first order.

16. (Original) The method of claim 13 wherein the first order further has a billing condition directing the supplier to generate a bill for the first order as late as possible.

17. (Currently Amended) A method for capacity management, comprising the steps of:

separating orders based on respective corresponding delivery demand, thus identifying orders of a first type, in which each order orders of the first type designates a specific period, and directs a supplier to deliver products at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of [[a]] the specific period; and selecting at least one of the orders of the first type to be pushed out if another order with a pull-in demand is received or a production event occurs during product manufacturing in the supplier.

18. (Original) The method of claim 17 further comprising allocating additional capacity for the pushed out order.

19. (Original) The method of claim 18 further comprising generating a new manufacturing planning schedule and a delivery date for the pushed out order.

20. (Currently Amended) The method of claim [[13]] 17 further comprising separating the orders based on a respective corresponding billing condition directing the supplier to generate a bill for the [[first]] orders of the first type as late as possible.

21. (Currently Amended) A machine-readable storage medium storing a computer program which when executed causes a computer to perform a capacity management method, the method comprising the steps of:

receiving at least a first order having a period delivery demand, in which the period delivery demand designates a specific period, and directs a supplier to deliver products corresponding to the first order at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of the specific period;

receiving a second order with a pull-in demand; and
pushing out the first order, and directing capacity reserved for the first order to meet the second order.

22. (Original) The storage medium of claim 21 wherein the method further comprises a step of allocating additional capacity for the first order.

23. (Original) The storage medium of claim 22 wherein the method further comprises a step of generating a new manufacturing planning schedule and delivery dates for the first order and second order.

24. (Original) The storage medium of claim 21 wherein the first order further has a billing condition directing the supplier to generate a bill for the first order as late as possible.

25. (Currently Amended) A machine-readable storage medium storing a computer program which when executed causes a computer to perform a capacity management method, the method comprising the steps of:

receiving at least a first order having a period delivery demand, in which the period delivery demand designates a specific period, and directs a supplier to deliver products corresponding to the first order at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of the specific period; and pushing out the first order, and directing capacity reserved for the first order to meet other order if a production event occurs during product manufacturing in the supplier.

26. (Original) The storage medium of claim 25 wherein the method further comprises a step of allocating additional capacity for the first order.

27. (Original) The storage medium of claim 26 wherein the method further comprises a step of generating a new manufacturing planning schedule and a delivery date for the first order.

28. (Original) The storage medium of claim 25 wherein the first order further has a billing condition directing the supplier to generate a bill for the first order as late as possible.

29. (Currently Amended) A machine-readable storage medium storing a computer program which when executed causes a computer to perform a capacity management method, the method comprising the steps of:

separating orders based on respective corresponding delivery demand, thus identifying orders of a first type, in which each order orders of the first type designates a specific period, and directs a supplier to deliver products at an arbitrary delivery date planned by the supplier, and the arbitrary delivery date is before the end of [[a]] the specific period; and selecting at least one of the orders of the first type to be pushed out if another order with a pull-in demand is received or a production event occurs during product manufacturing in the supplier.

30. (Original) The storage medium of claim 29 wherein the method further comprises a step of allocating additional capacity for the pushed out order.

31. (Original) The storage medium of claim 30 wherein the method further comprises a step of generating a new manufacturing planning schedule and a delivery date for the pushed out order.

32. (Currently Amended) The storage medium of claim 29 wherein the method further comprises a step of separating the orders based on a respective corresponding billing condition directing the supplier to generate a bill for the [[first]] orders of the first type as late as possible.